

CLAIMS

Please amend the claims

1-20. (Cancelled)

21. (New) A high-availability cellular computer system capable of automatically updating firmware in cells of the system, the system comprising:
a high speed interconnect;
a first cell and a second cell, each cell comprising at least one processor
coupled to at least one random-access memory subsystem,
at least one nonvolatile memory system, and
a high-speed interconnect interface;
wherein the high-speed interconnect interface of the first cell and the second
cell is coupled to the high speed interconnect; and
wherein the nonvolatile memory subsystem of the first cell has recorded
therein corrupt firmware, and the nonvolatile memory subsystem of the
second cell has recorded therein valid firmware; and
wherein the first cell contains machine readable code for recognizing that the
firmware in the nonvolatile memory system of the first cell is corrupt
and, upon recognizing that the firmware of the first cell is corrupt, for
updating the nonvolatile memory system of the first cell with firmware
copied from a cell having valid firmware; and
wherein the second cell contains machine readable code for recognizing that
the firmware in the nonvolatile memory system of the second cell is
valid, and for transmitting the firmware in the nonvolatile memory
system of the second cell to the first cell.

22. (New) The system of claim 21 further comprising:
a manageability system interconnect;
wherein the first cell and the second cell further comprise a management
processor;
wherein the management processor of the second cell contains machine
readable code to receive an update message via the manageability

system interconnect and, in response thereto, to transmit an acknowledgement via the manageability system interconnect, to enable the high speed interconnect; and to transmit the firmware in the nonvolatile memory system of the second cell to the first cell via the high speed interconnect.

23. (New) The system of claim 21 further comprising:

a manageability system interconnect;

wherein the first cell and the second cell further comprise a management processor;

wherein the management processor of the second cell contains machine readable code to receive an update message via the manageability system interconnect and, in response thereto, to transmit an acknowledgement via the manageability system interconnect, to enable the high speed interconnect; and to transmit the firmware in the nonvolatile memory system of the second cell to the first cell via the manageability system interconnect.